Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 236929

SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
http://www.sunpower.com.tw
E-mail: sunpower@sunpower.com.tw

SAP-6300 / SAP-6300P

300W, Six Output

Active P.F.C Function

For ATX System

150 x 140 x 86mm
5.9 x 5.51 x 3.39inch

Features:

- ✻ AC input 115V / 230V switch selecting or Auto sensing: SAP-6300
- ✻ Universal full range AC input with active PFC, P.F.> 0.95: SAP-6300P
- ✻ Meet Intel ATX 2.01 / ATX2.03 / ATX 12V
- ✻ +3.3V, +5V main output remote sensing
- ✻ Built in EMI filter, low ripple noise
- ✻ Built-in long life ball bearing fan
- ✻ Over load, over voltage, over temperature & short circuit protection
- ✻ 100% 50℃ burn-in test
- ✻ UL, cUL, TUV, ,CB, CE certified
- ✻ 1 years warranty

Specification:

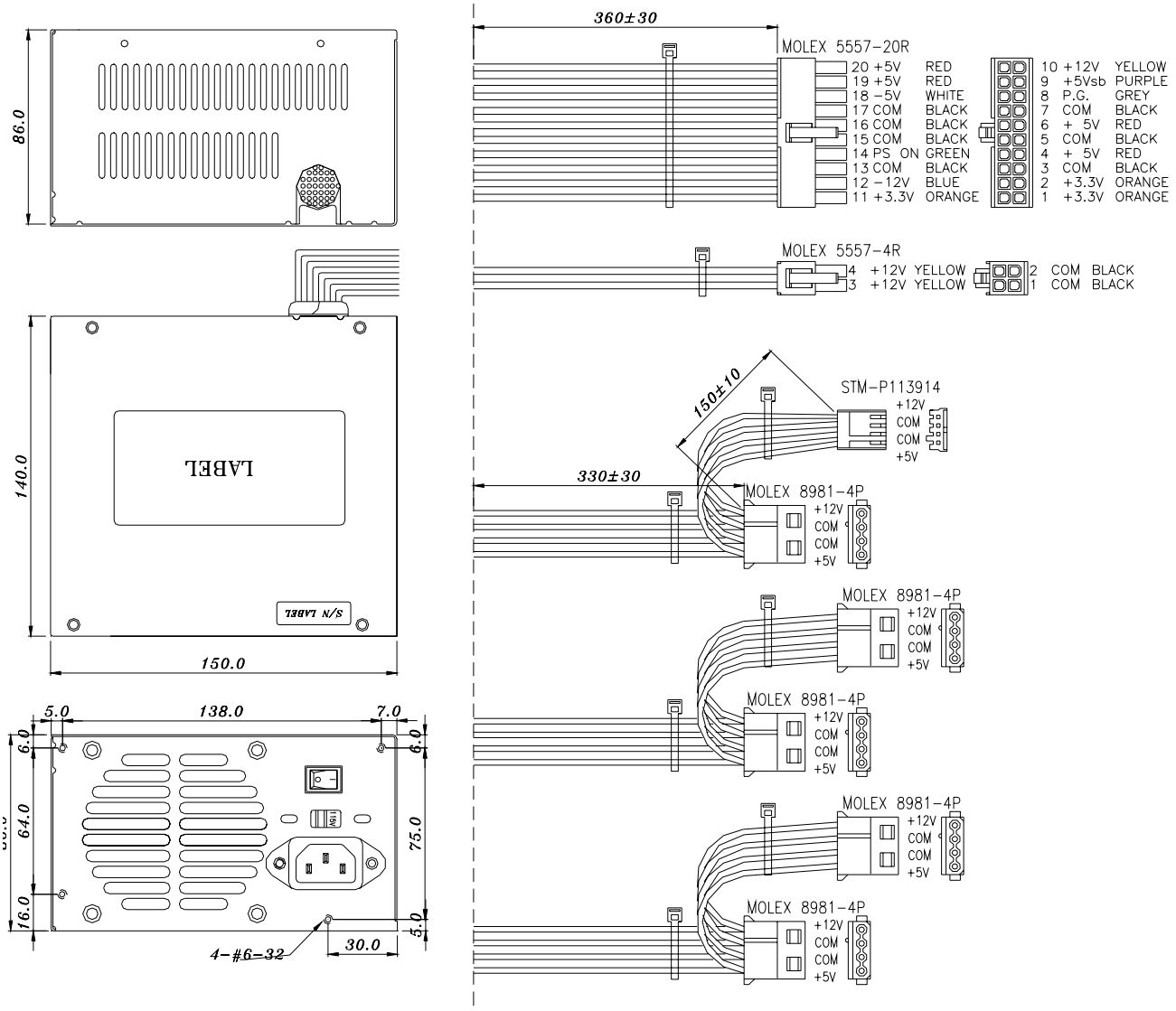
			V1	V2	V3	V4	V5	V6
OUTPUT	Voltage		+3.3V	+5V	+12V	-5V	-12V	+5Vsb
	Min. Load	SAP-6300	0.5A	3A	1A	0A		
		SAP-6300P	0A	5A	2A	0A		
	Max. Load		25A	30A	12A	0.5A	1A	1A
	Regulation		±5%	+5/-4%	±5%	±5%	+8/-5%	±5%
	Ripple Noise(max)		50mV	50mV	120mV	70mV	150mV	50mV
	Efficiency (tpy)		65%					
MAX OUTPUT WATTAGE			Total output max 300W, +3.3V & +5V max 150W					
INPUT	Voltage		AC 115V / 230V switch selecting or auto sensing (Universal Full Range)					
	Frequency		47 ----- 63 Hz					
	Current	SAP-6300	<7.0A @ 115V AC input, <3.5A @ 230V AC input, full load condition					
		SAP-6300P	<4.9A @ 100V AC input, full load condition					
	Inrush Current		<60A@115V / <100A@230V AC input, full load condition. Cold start at 25℃ ambient					
	Leakage Current		<1.5mA@264V AC input					
	Power Factor		Meet IEC 1000-3-2 class D, P.F.>0.95 (SAP-6300P)					
PROTECTION	Over Load Protection		Over 105% ~ 150% of rating, shutdown					
	Over Voltage Protection		SAP-6300: +3.3V: +3.8V~+4.6V, +5V:+5.8V~+7.0V; SAP-6300P: +5V: +5.8V~+7.0V					
	Over Temperature Protection		Optional					
	Short Circuit Protection		Shutdown					
OTHERS	Setup time		-----					
	Rise time		<20mS					
	Hold up time		>20mS@230V					
	TTL Signal		Power Good Signal, PS-ON Input Signal					
	Cooling		SAP-6300: A 31CFM (min.) DC ball bearing Fan; SAP-6300P: A 36CFM (min.) DC ball bearing Fan					
Environment	Temperature		Operating: 0~70℃; derating: SAP-6300: 45℃ ~70℃ : 2.5%/℃, SAP-6300P: 50℃ ~70℃ Storage: -10~+75℃					
	Humidity		Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.			SAP-6300: 163K hours; SAP-6300P: 155K hours					
SAFETY			UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Certified					
EMC	EMI		FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.					
	EMS		EN 50082-1 (1997)					

Copy Right Sunpower Technology Corp. 2002, All Right Reserved.
Specifications subject to change without notice.

2003/2/26

SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
http://www.sunpower.com.tw
E-mail: sunpower@sunpower.com.tw

Dimension:



Copy Right Sunpower Technology Corp. 2002, All Right Reserved.
Specifications subject to change without notice. 2003/2/26